

UNITED STATES PATENT AND TRADEMARK OFFICE  
**CERTIFICATE OF CORRECTION**

PATENT NO. : 7,049,761 B2

APPLICATION NO: 09/782,375

Page 1 of 12

DATED : May 23, 2006

INVENTOR(S) : Memduh Guney, et al.

It is certified that error appears in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

Delete the title page and substitute therefore the attached title page.

Delete Drawings Sheets 1-10 and substitute therefore the attached Drawings Sheets 1-10.

Column 5, Line 63; In claim 1, delete "circuit," and insert -- circuit; --, therefor.

Column 5, Line 64; In claim 1, delete "an" and insert -- on --, therefor.

Column 6, Line 1; In claim 2, delete "tube" and insert -- device --, therefor.

Column 6, Line 4; In claim 2, delete "first" and insert -- pair --, therefor.

Column 6, Line 51; In claim 10, delete "illumination" and insert -- illuminating --, therefor.

Column 8, Line 3; In claim 19, delete "a" and insert -- an --, therefor.

Column 8, Line 3; In claim 19, delete "envelope," and insert -- envelope; --, therefor.



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(12) **United States Patent**  
**Timmermans et al.**

(10) **Patent No.:** **US 7,049,761 B2**  
**(45) Date of Patent:** **May 23, 2006**

(54) **LIGHT TUBE AND POWER SUPPLY CIRCUIT**

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(\*) **Notice:** Subject to any disclaimer, the term of this patent is extended or adjusted under 35 U.S.C. 154(b) by 375 days.

(21) **Appl. No.:** 09/782,375

(22) **Filed:** Feb. 12, 2001

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(51) **Int. Cl.**  
**H05B-37/02** (2006.01)

(52) **U.S. Cl.** ..... 315/246; 315/291; 315/185 S

(58) **Field of Classification Search** ..... 315/146,  
 315/291, 185 S, 312, 324, 192, 185 R, 295,  
 315/246, 187, 294, 56, 200 A, 61; 340/815.45;  
 362/488, 240, 219, 800, 369, 545, 288, 249  
 See application file for complete search history.

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(57) **ABSTRACT**

The present invention provides a light tube for illumination by a power supply circuit including a bulb portion and a pair of end caps disposed at opposite ends of the bulb portion. A plurality of light emitting diodes are disposed inside the bulb portion and in electrical communication with the pair of end caps for illuminating in response to electrical current to be received from the power supply circuit.

**26 Claims, 10 Drawing Sheets**

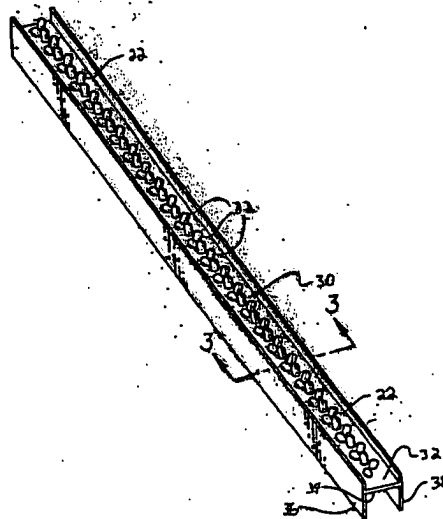
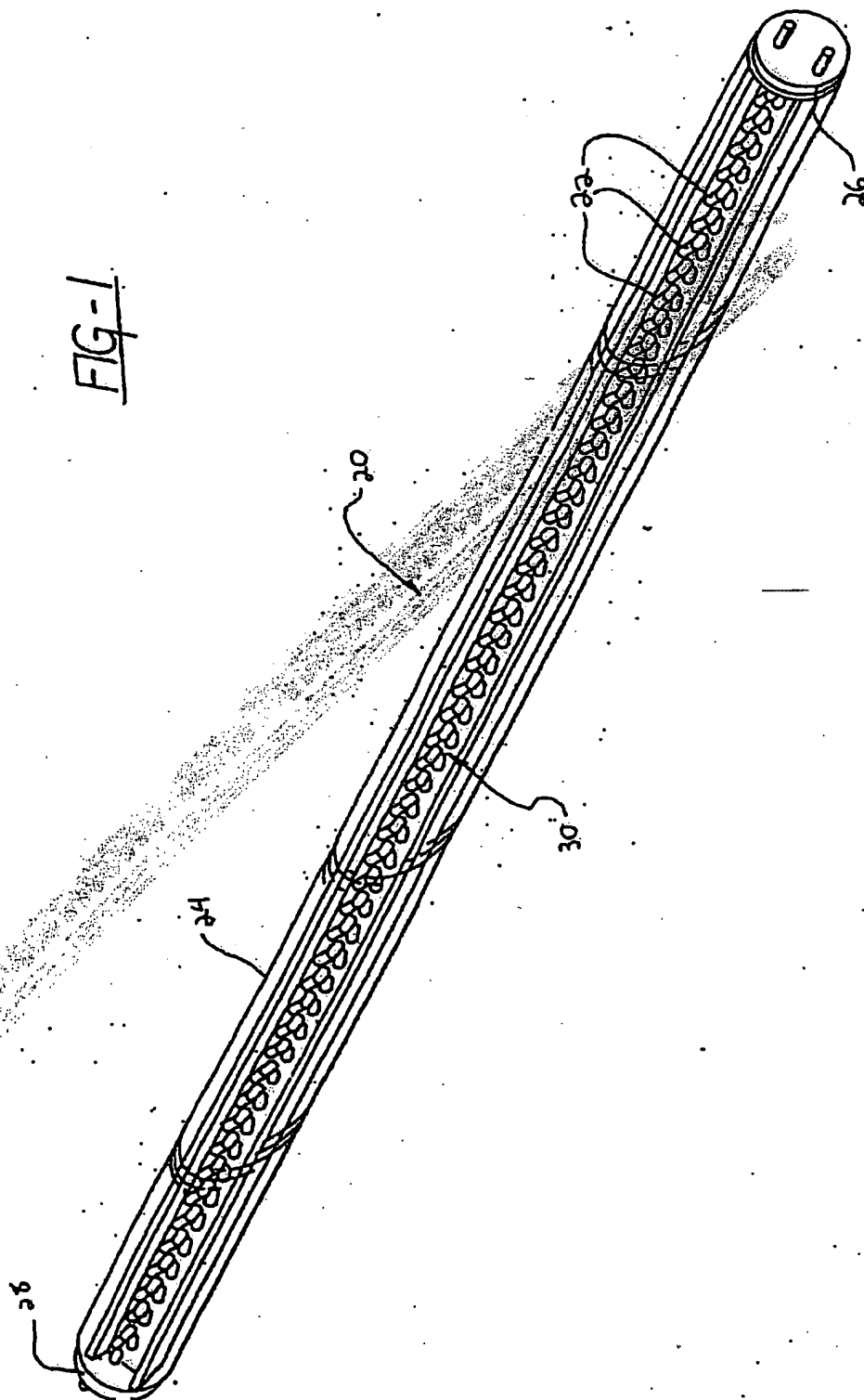


FIG-1



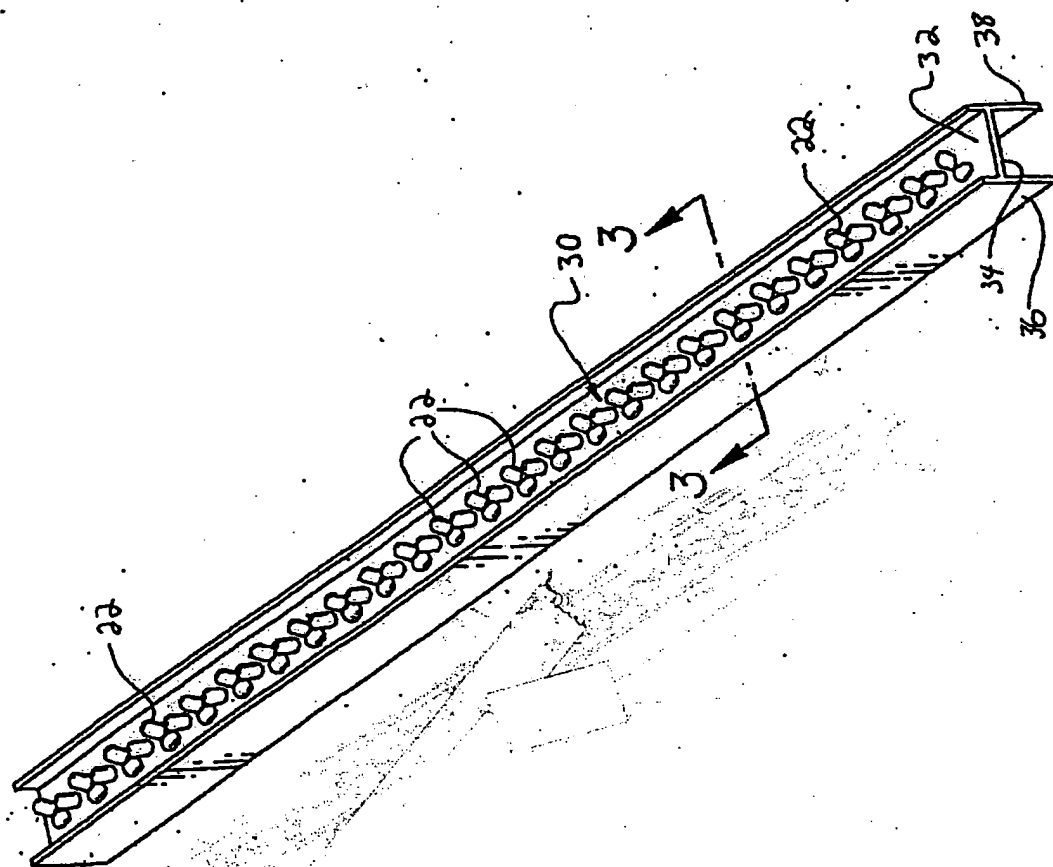
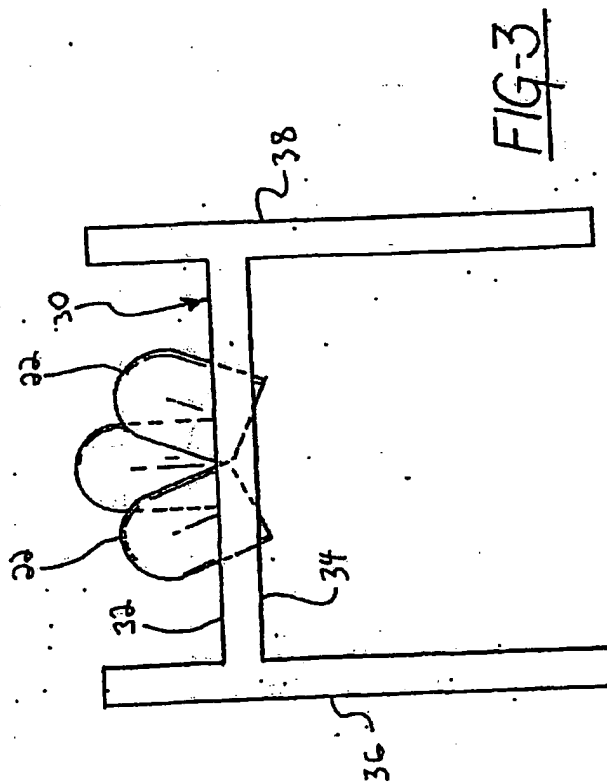


FIG-2



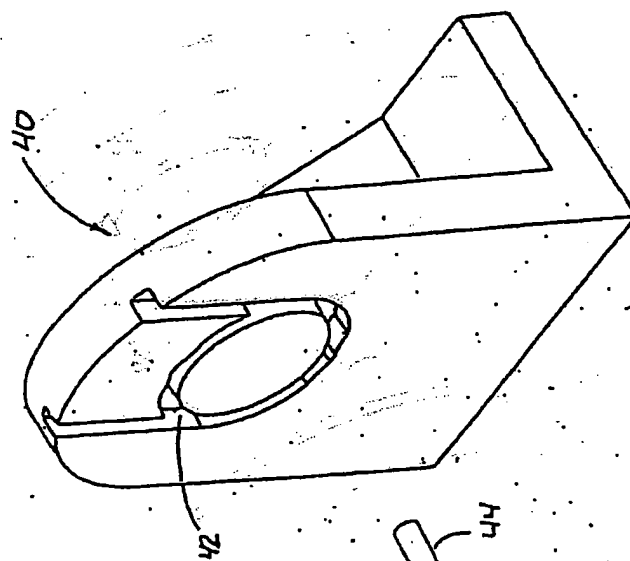
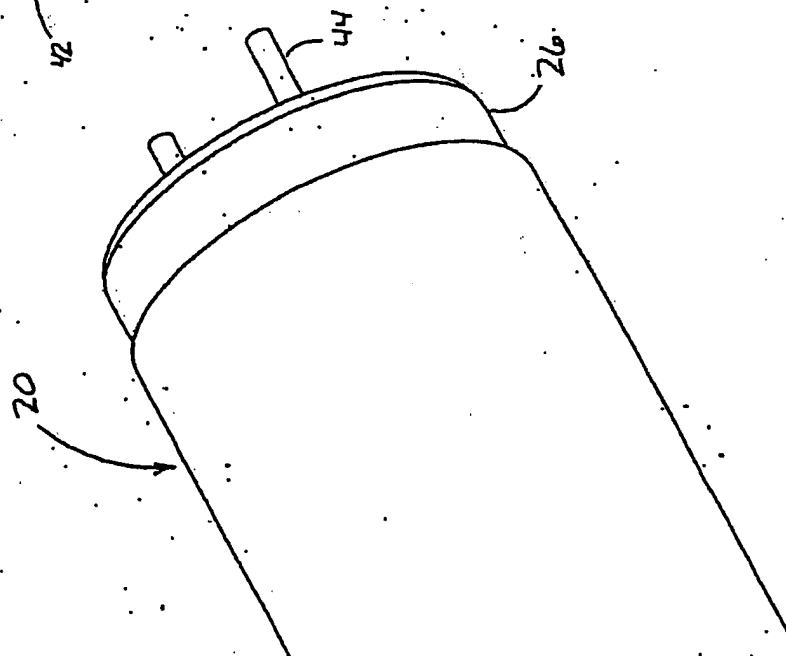
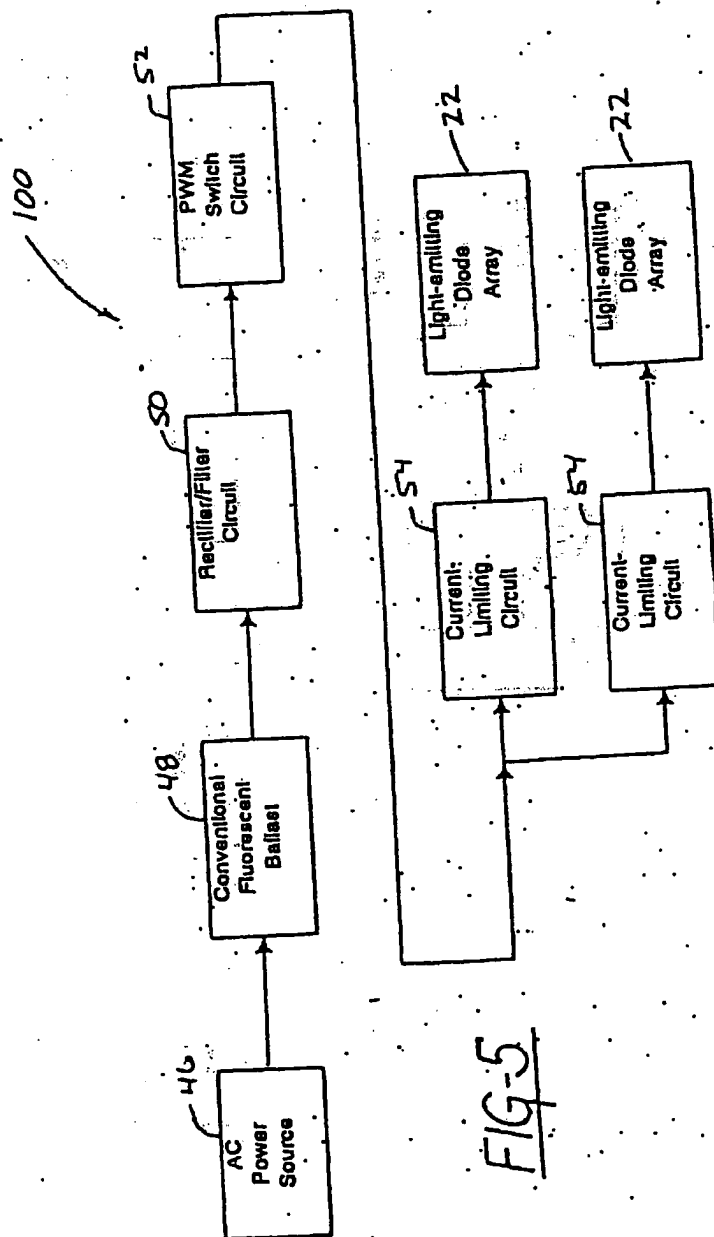
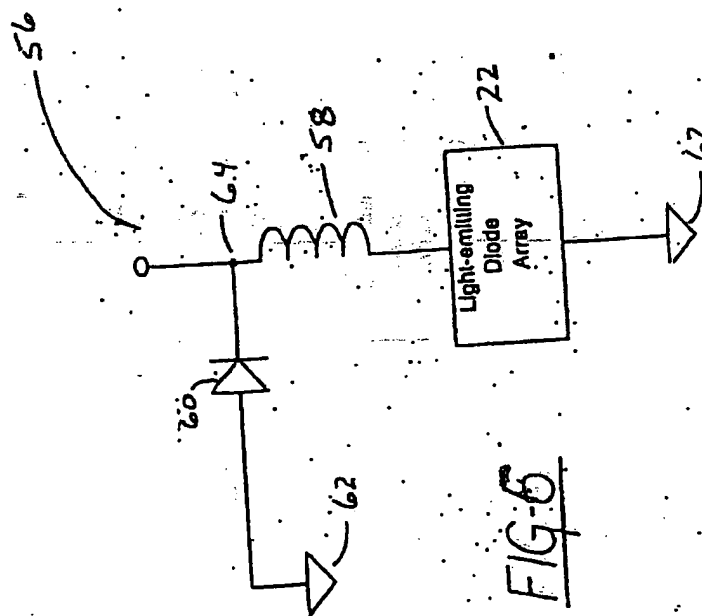


FIG. 4









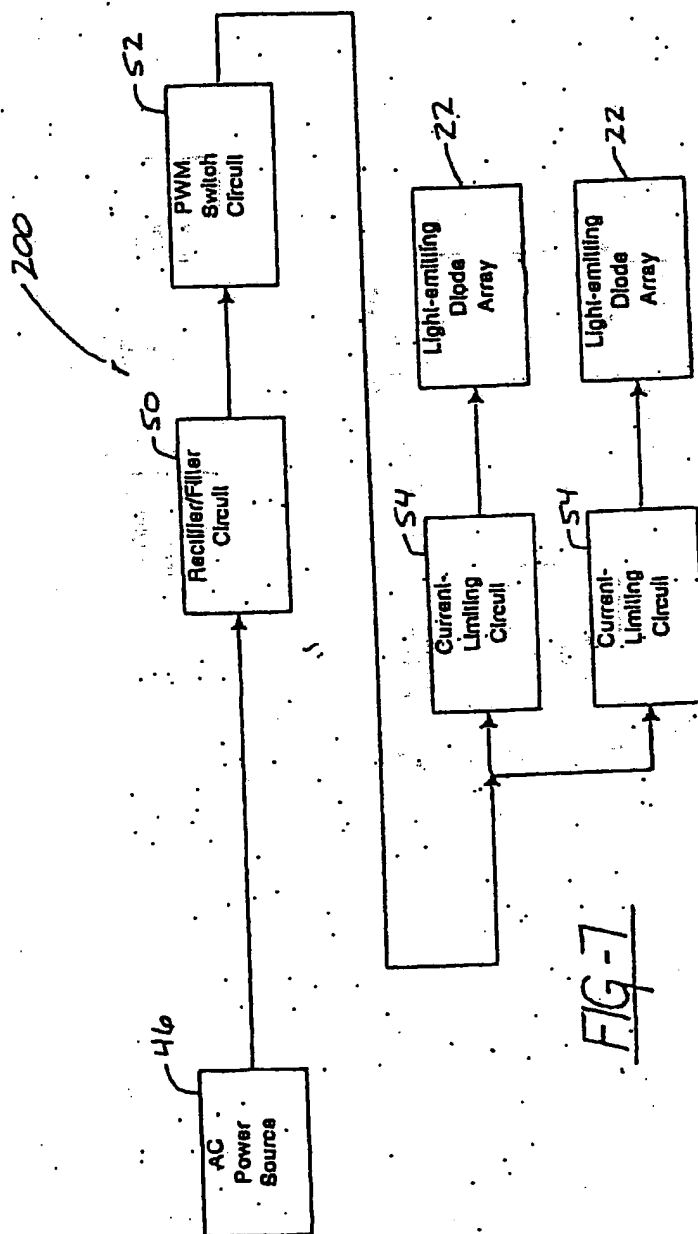


FIG-7

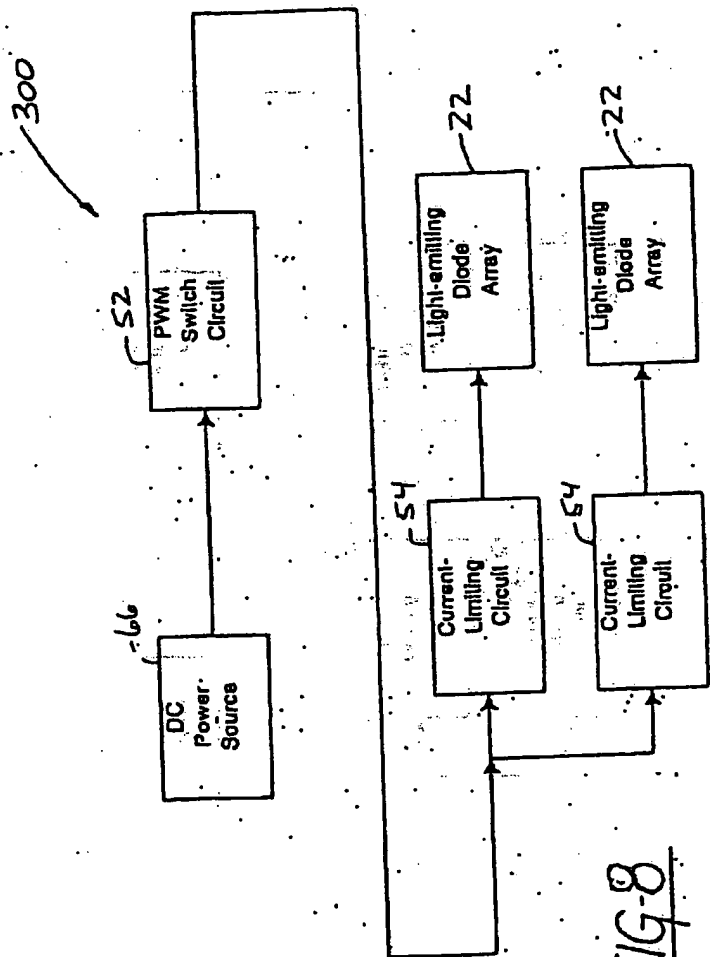


FIG-8

